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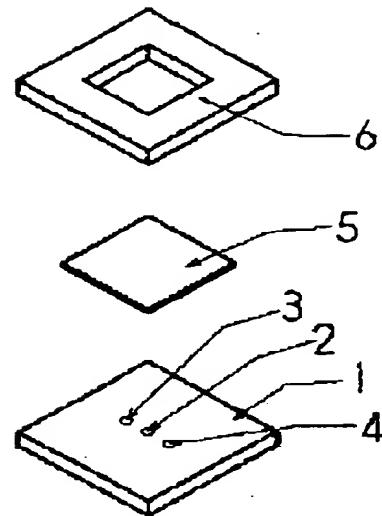
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TITLE : ELECTRODE AND MEASURING
METHOD USING THE SAME



ABSTRACT : PURPOSE: To make it possible to perform accurate measurement without the effect of the obstructing material for the measurement by enlarging the enzyme activity on the far surface side than that of the surface side nearer to the working electrode of a water absorbing layer covering the working electrode.

CONSTITUTION: For example, two platinum lines and one silver line are arranged on an acrylic plate 1. A working electrode 2, a counter electrode 3, a silver or silver chloride reference electrode 4 are formed. As the water absorbing body, scientific analyzing filter paper is used. The aqueous solution of glucose oxidase and bovine serum albumin is developed on the surface of one side and dried in air. Thus, an enzyme-fixed water-sucking body 5 is formed. Then, the sucking body 5 covers the surface of the electrodes 2 and 4. Then, the enzyme-fixed water-fixed sucking body 5 is mounted on a measuring cell so that the enzyme fixing surface faces outside, and a pushing plate 6 is mounted. Thus, the difference in diffusing speeds in arrival on the electrode surface between the hydrogen peroxide and the measurement obstructing material is generated. Therefore, the measurement, wherein the effect of the measurement obstructing material is suppressed at the lower value, can be achieved by processing the measured data in the time region after the starting of response to hydrogen peroxide to the time before the response to the measurement obstructing material.

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